AMENDMENTS TO THE DRAWINGS

The attached replacement sheets for original drawing sheets 3/6, 4/6 and 5/6 include changes to Figs. 6, 7 and 8 to remove minor inconsistencies with regard to the reference characters used. Specifically, changes were made with regard to the reference numeral employed for the illustrated box 61 which is used to enter the search criterion. The changes made are, basically, to maintain consistency throughout the drawing illustrations related thereto. In Figs. 7 and 8, also, the reference character pertaining to the header was appropriately re-labeled as numeral 62. A copy of the annotated and replacement sheets of drawings are attached herewith as Appendix A.

REMARKS

Favorable action on the above-identified application in consideration of this submission is respectfully requested.

Acceptance of the three replacement sheets for original drawing sheets 3/6, 4/6 and 5/6, directed to Figs. 6-8 of the drawings, is respectfully requested. The changes implemented therein are strictly to remove minor inconsistencies with regard to the reference numerals employed (this is discussed in the aforesaid amendments to the drawings). (The annotated drawing sheets illustrate the specific changes being made to the drawing figures.)

The Specification was revised to correct informalities therein as well as to improve the readability therein. Due to the numerous revisions being implemented in the original Specification, Applicants, through their undersigned representative, are submitting herewith, as Appendix B, a Substitute Specification directed thereto. It is submitted, new matter is not being added with regard to the Substitute Specification, either by addition and/or deletion. Also, since the accompanying Substitute Specification is a voluntary submission by Applicants, enclosed herewith also is a copy of a formal marked-up version of the original Specification showing the changes being implemented therein. Acceptance therefor of the Substitute Specification as a replacement of the originally filed Specification is respectfully requested.

It should also be noted that the insertions of the expressions "runs a program" and "performs a program" on page 5 of the original Specification is consistent with the operation of processors, as is clearly understood by one of ordinary skill in the art. For example, the processor 18 in the example embodiment shown in Fig. 2 of the drawings, which is used in implementing phone applications, including that

defined by the claims and as more extensively explained with regard to the example embodiments described and illustrated in the present application, performs a program consistent with the processes disclosed in the Specification such as discussed with regard to Figs. 6, 7, 8 and 9 of the drawings, although not limited thereto. This is also consistent, for example, with page 4, line 32 et seq. of the original Specification which states, in effect, that the processor in connection with the telephone in Fig. 2 of the drawings, which is associated with a cellular network, supports the GSM terminal software, the processor controlling the communication with the network via the transmitter/receiver circuit. It is also explained in the Specification that the processor communicates with the various peripheral terminals of the phone apparatus in which it effects control of the communication with the network as well as monitors the activity in the phone and controls the display thereof and, moreover, detects the occurrence of a state change event and changes the state of the phone and thus the display text. In other words, the processor does, in fact, perform a program operation consistent with the type of telephone application(s) set forth in the claims, as currently amended. Accordingly, the second full sentence on page 5 as well as the sentence on line 22 of the original Specification were revised, as stated above, to more clearly reflect this. The insertion of these expressions, it is submitted, does not constitute new matter. Rather, that which was impliedly understood to exist is now specifically noted in the description. These expressions were also explicitly entered into the Specification for purposes of maintaining proper antecedent basis concerning similar such terminology which is now contained with regard to several of the substitute claims.

The status of the claims are given hereinabove. Specifically, original claims 1-14 have been substituted with newly presented claims 15-32. With the canceling of the original claims, the outstanding art rejections thereto have been rendered moot. It is submitted, however, agreeing to the canceling of these claims should not be construed as an acquiescence with regard to the merits of the previously pending rejections directed thereto. Rather, the original claims were modified (as newly presented claims) to further define the invention including in a manner to highlight the particularities of Applicants' invention over that previously known and including over the art documents cited in the previous rejection.

The invention is a communication terminal, having at least a function for searching available menu items, comprising a user interface (e.g., including a display and a keyboard) through which a terminal user interacts with the communication terminal (e.g., mobile/cell phone), a processor controlling the communication terminal including the user interface thereof, and a menu search state which is entered upon request from the user. In accordance with this scheme, when entering the menu search state, the processor displays an invitation for entering search criteria in the display, whereupon the user enters a character string containing one or more characters such as by pressing keys of the keypad, the processor automatically looks to match the entered search criteria or that of an edited search criteria to menu items from the available menu items, and the processor presents a list of menu items matching the entered search data, offering the items listed to the user for selection and execution by the user. The character string consists of one or more alphanumeric characters (see claims 15-18).

Independent claim 19 is a means-plus-function claim counterpart of independent claim 15. The claims dependent on claim 19 further limit the particularities thereof in line with that disclosed with regard to the various examples illustrated in the Specification/drawings, although not limited thereto. Regarding independent claim 21, related discussion directed thereto is found on page 5, line 22, et seq. and line 26, et seq., of the original Specification. Regarding dependent claim 22, the communication terminal is adapted for use in a wireless communication network (e.g., GSM network; see page 5, line 15 et seq.). Dependent claim 26 further limits the "available menu items" to that being stored within the communication terminal itself, as one example thereof, consistent with that discussed in the Specification. Another limiting aspect of the communication terminal calls for the "first means" as including a keypad including alphanumeric keys and soft-keys including a navigation key, and a display, consistent with that discussed on page 6, line 4, et seq., of the original Specification.

The invention is also a method for searching, presenting and executing available menu items in the communication terminal which has at least a function for searching available menu items and includes a processor controlling the communication terminal as well as a user interface through which the user interacts with the communication terminal, the method comprising the steps as set forth in claims 27+. In particular, the method calls for (a) entering a menu search state, upon request from the user, including enabling the user to scroll through the available menu items, (b) said processor inviting the user to enter, via the user interface, search criteria including one or more characters, wherein the processor automatically looks to match the entered search criteria or of an edited search

criteria to items from the available menu items; and (c) the processor presenting a list of menu items matching the entered/edited search data and offering the items listed to the user for selection and execution by the user. Example details thereof are covered with regard to dependent claims 28-31. According to a further aspect of the invention, as set forth in claim 32, a computer program product, which is directly readable into a computer readable medium of the communication terminal comprises a computer program for carrying out the method according to independent claim 27 when the program runs on the processor. This type of claim construction is well established according to USPTO practice. It is submitted, the invention as now defined in claims 15+, 19+, 27+ and 32 not only was neither disclosed or suggested from Holmstrom, et al. but, moreover, could not have been realizable even over the combined teachings of the references as applied in the previously standing rejections. Therefore, these rejections, insofar as applicable to the newly presented, substitute claims 15-32, are traversed and reconsideration and withdrawal of the same is respectfully requested.

In each of the independent claims, i.e., 15, 19 and 27, a key featured aspect thereof calls for the processor to automatically look to match the entered search criteria or edited search criteria to menu items from the available menu items. The menu items available are, for example, stored in the local memory of the communication terminal. With regard to the example Fig. 6 embodiment, a menu search state is entered by pressing, for example, a soft key 51. A new display 56 appears which includes a header displaying the term "search", which represents one of the menu listings. If other menus/functions are desired, they can be displayed by simple scrolling up or down the navigation-key 10. Also, the user enters search

criteria, for example, by pressing an alphanumeric key (see step 202 in Fig. 9 and the center-left illustration in Fig. 6). Once the search criterion is entered, a processor responds to the pressing action of the search key to automatically look to match the entered search criteria to related menu items from the available menu items. This is also the case even when the terminal user wants to change or alter the search criteria (see page 7, lines 1-9, lines 18-20, and on page 8, line 19 etc. of the original Specification). In other words, the processor, in accordance with a program, automatically looks to match the entered search criteria to menu items from the stored available menu items in connection with each search inquiry. The list of matched menu items is presented, for example, on the display for the user to select and execute, at his/her choosing. It is submitted, such a scheme as now called for according to claims 15+, 19+, 27+ and 32 could not have been anticipated from Holmstrom, et al. nor, for that matter, rendered obvious even over the combined teachings of Holmstrom, et al. and the other reference cited in the outstanding rejection.

Holmstrom, et al. discloses a man-machine interface (MMI) such as a mobile phone which contains a search tool for searching various commands such as with regard to a specific subject of interest to the user, the command may also be associated with a function or to conduct a search based on a letter or partial command to provide listings and instructions (see Abstract). From the flowchart of Fig. 3 thereof, Holmstrom, et al. teaches a technique in which the user must enter an entire search string (block 310-312) followed by initiating the search and then executing the operation. In contradistinction with this, the present invention calls for a technique in which an iterative process is employed with regard to the entry of

search criteria and where the processor causes the automatic matching and immediate display of the matching of the menu items based upon the search criteria and changes thereto, the automatic matching being prompted by a one-touch action by the user. In other words, in accordance with Applicants' improved scheme, all the user needs to do is enter one or two characters in the search box before he starts scrolling or, for that matter, the user is able to select directly from the display list of matched menu items. Such, it is submitted, it was neither disclosed nor suggested by Holmstrom, et al.

Pisutha-Arnond, et al. was cited for teaching, allegedly, of implementing voice capability with regard to a communication terminal. Sudo, et al. was further cited as teaching using a timer to counter measure the lapse time from the user inputs etc. Notwithstanding the teachings of Pisutha-Arnond, et al. and Sudo, et al., the invention according to claims 15+, 19+, 27+ and 32 still would not have been achievable even over the combined teachings of Holmstrom, et al. and Pisutha-Arnond, et al. with Sudo, et al.. This is because neither Pisutha-Arnond, et al nor Sudo, et al. even if their teachings are applied combinely with that of Holmstrom, et al. overcomes the deficiencies of Holmstrom, et al. insofar as the presently claimed subject matter is concerned. For at least the above reasons, the invention according to claims 15-32 is considered patentable even over the combined teachings of Holmstrom, et al., Pisutha-Arnond, et al. and Sudo, et al.

Therefore, in view of the amendments presented hereinabove, together with the accompanying remarks, examination as well as favorable action on the newly submitted, substitute claims 15-32 and an early formal notification of the allowability of the above-identified application is respectfully requested.

If the Examiner believes that there are any other points which may be clarified or otherwise disposed of either by telephone discussion or by personal interview, the Examiner is invited to contact Applicants' undersigned attorney at the number indicated below.

To the extent necessary, Applicants petition for an extension of time under 37 CFR 1.136. Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to the Antonelli, Terry, Stout & Kraus, LLP Deposit Account No. 01-2135 (Docket No. 1030.40675X00), and please credit any excess fees to such deposit account.

Respectfully submitted,
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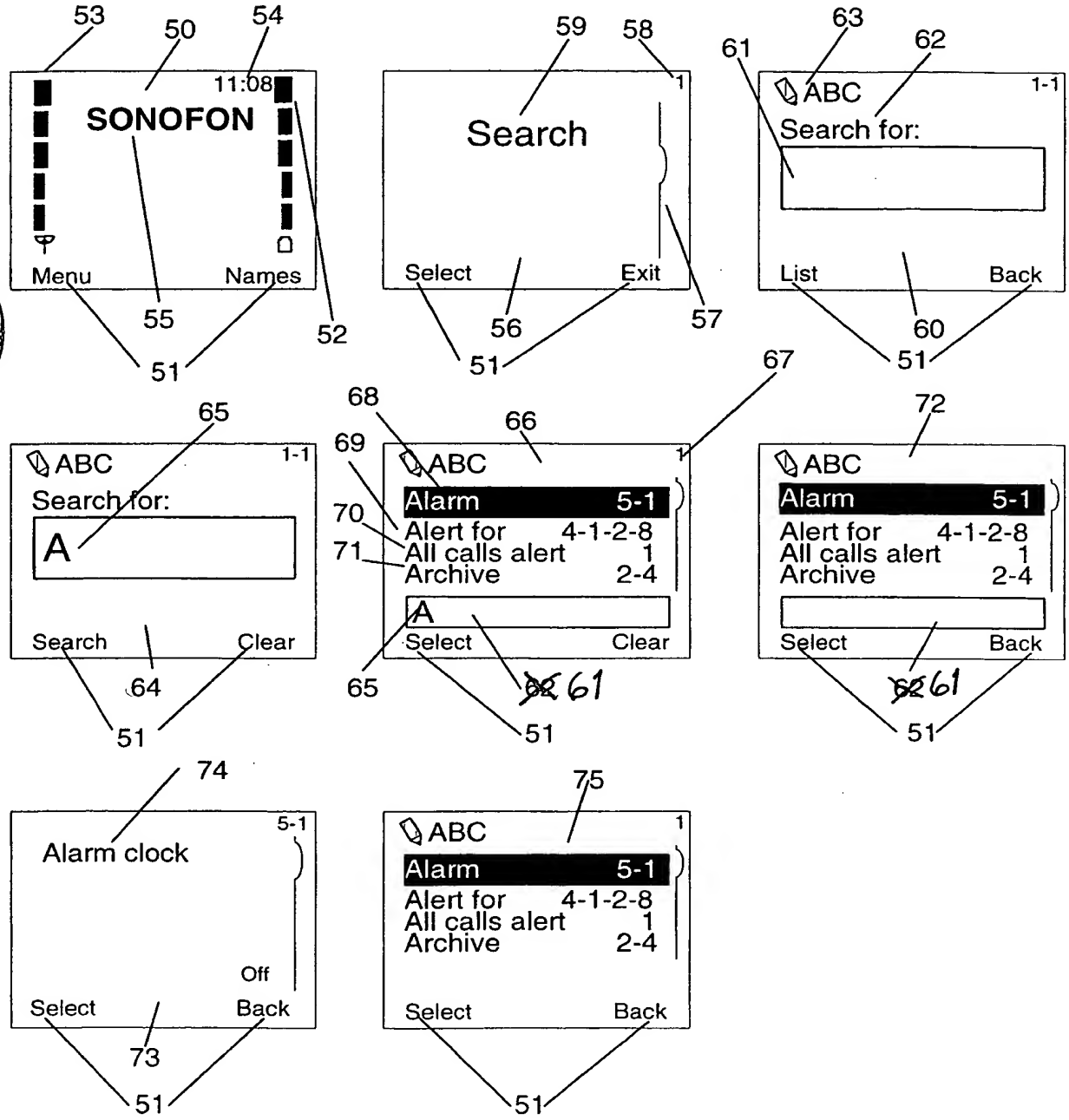
Fig. 6



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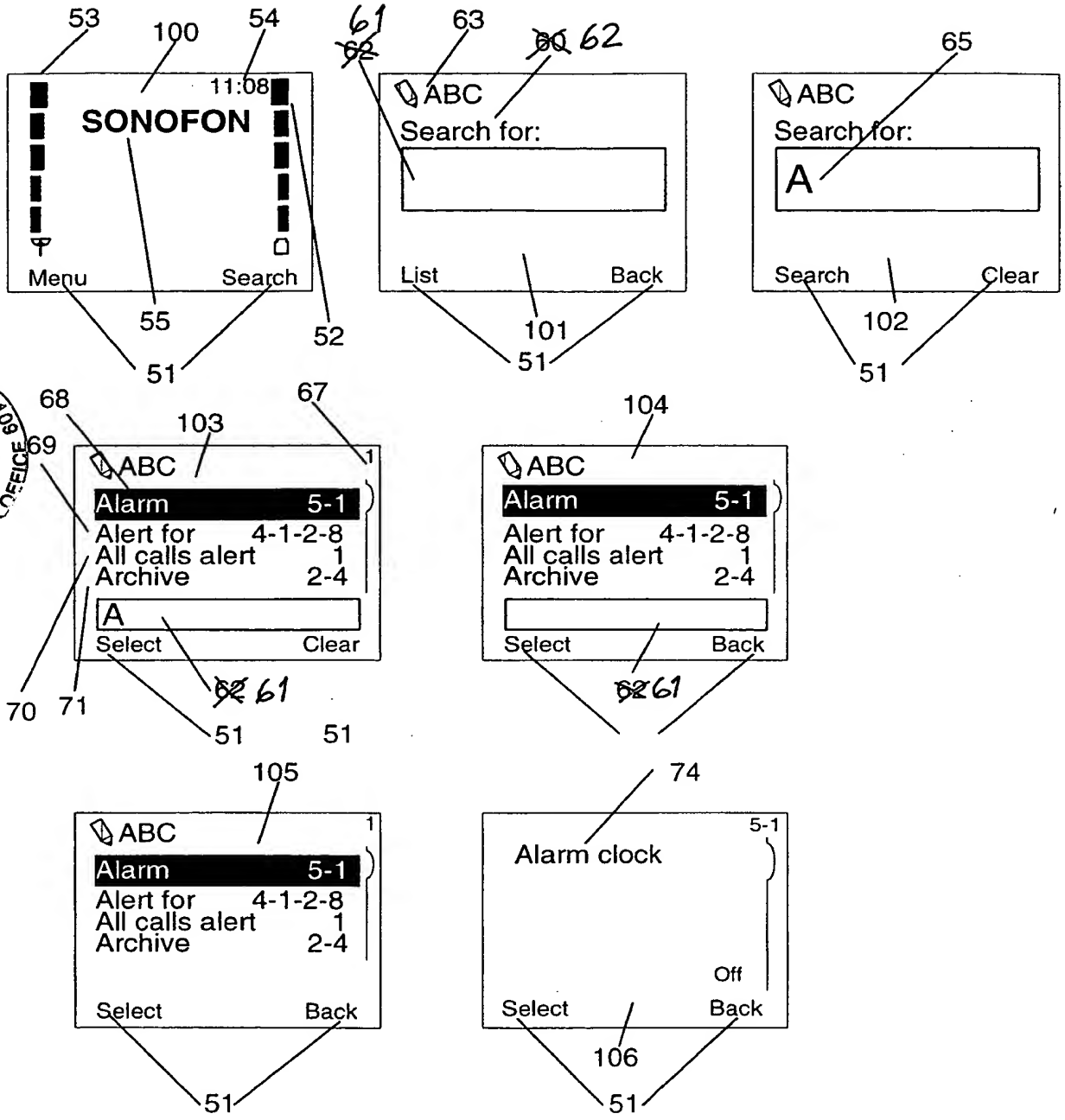
Annotated Drawing Sheet

Fig. 7 4/6



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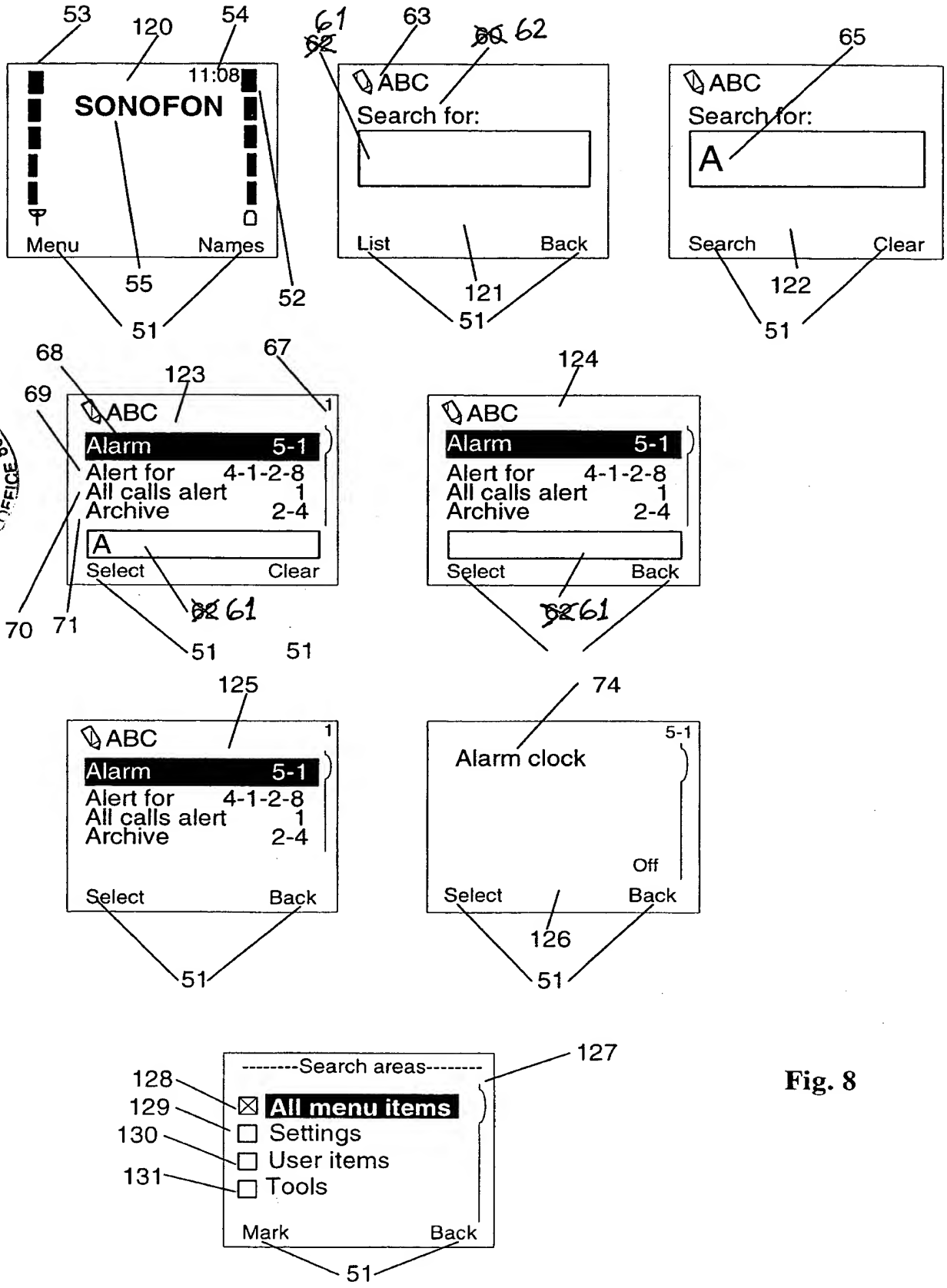

Fig. 8

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